

Letter of conformity – SARS-CoV-2

Manufacturer: Blueair AB  
Manufacturer's address: Karlavägen 108  
115 26 Stockholm  
Sweden  
Brand: Blueair  
Object(s) type: Air purifiers with HEPASilent™ technology  
Object(s) of declaration: Classic 200 series (205, 280i, 290i)  
Classic 400 series (405, 480i, 490i)  
Classic 600 series (605, 680i, 690i)  
Pro series (M, L, XL)  
HealthProtect 7400 series (7410i, 7440i, 7470i)  
HealthProtect 7700 series (7710i, 7740i, 7770i)  
Blue series (Joy S, Pure 411, Pure 221, 3210, 3410, 3610)

The objects of the declaration described above are designed with HEPASilent™ filtration technology. Using HealthProtect 7470i (Model 7413352000) as a representing test machine, this technology is tested for its efficacy in removal of SARS-CoV-2 aerosol challenges in laboratory trails at MRIGlobal. The technology showed a greater than 3 log (99.998%) reduction of viable viral aerosol as compared to the control tests conducted without the test machine operational. The aerosol particle concentration was reduced from an average concentration of over 1 million particles per half litre of air sampled to a near zero count reading per litre of air within one (1) minute of operation.

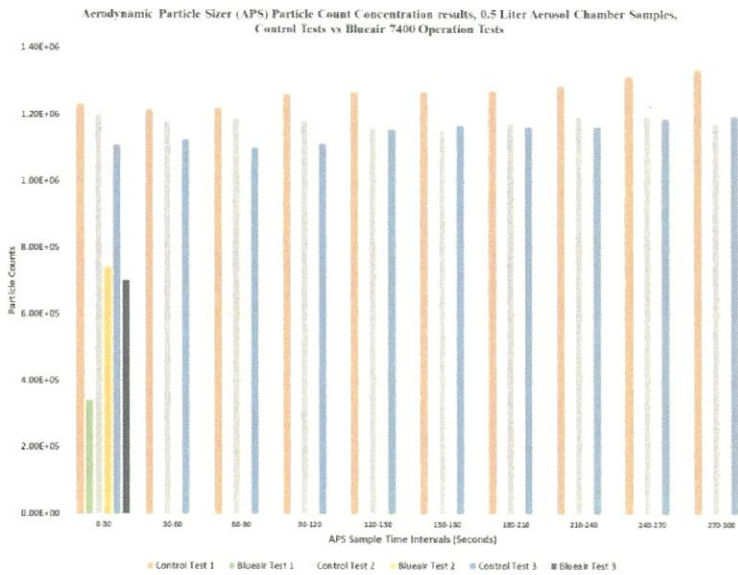


Figure 2. Aerodynamic Particle Sizer (APS) Aerosol Particle Count vs Sample Time Plot

This declaration has been issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Blueair Asia Limited



Name and position: Christopher Chan, Director, APAC & LATAM

Place: Hong Kong

Date: 14th September 2021

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Annex 1 – Verification of HEPASilent™ technology’s efficacy in removal of SARS-CoV-2 aerosol challenges in laboratory trials

Test report 311727.01.001 (A) by MRIGlobal

*(see attachment)*

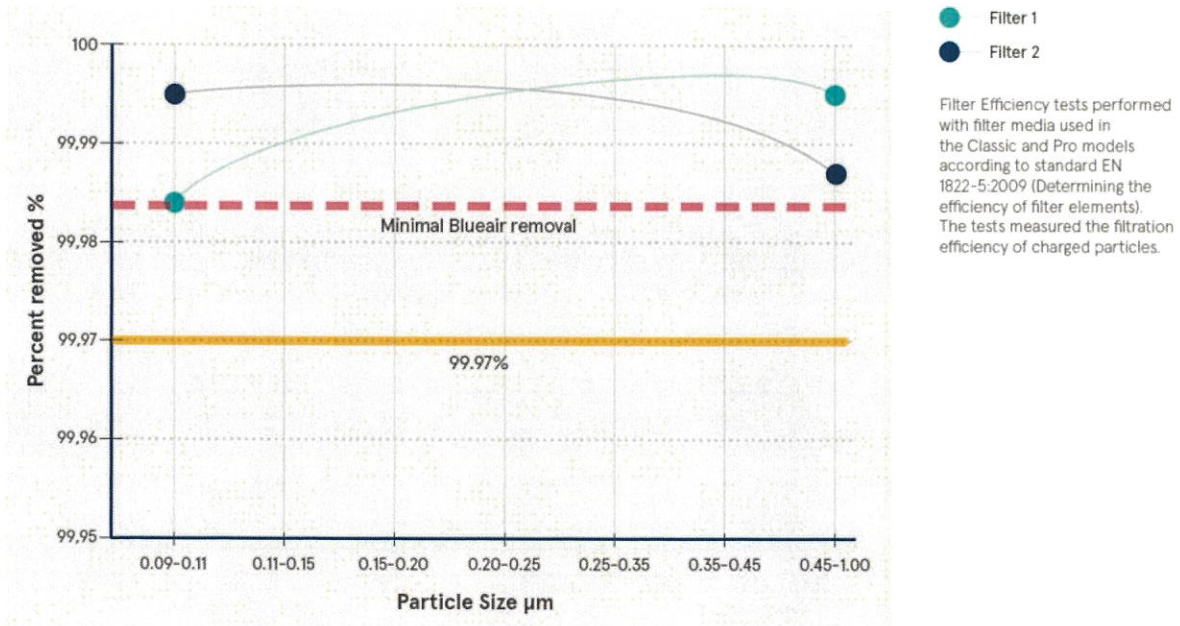
Annex 2 – HEPASilent™ Technology

Blueair’s air purifiers use the trademarked HEPASilent™ filtration technology. This combines two types of particle filtration, electrostatic and mechanical, resulting in a filtration efficiency superior to either technology alone. Due to this combination, Blueair’s air purifiers are able to use less dense filters, resulting in a high airflow and thereby a high Clean Air Delivery Rate (CADR). Less dense filter media and high airflow also ensure lower noise levels and energy consumption.

In May 2017 and January 2018, tests were done at RISE Research Institutes of Sweden AB in order to verify the filtration efficiency of the HEPASilent technology. Two filter media used for the Blueair Classic and Pro air filters were tested with charged particles according to the method specified in the European standard EN 1822-5:2009. Similar to previously performed tests, the results confirmed that the HEPASilent technology has a filtration efficiency of at least 99.97% for particles down to 0.1 microns in size.

**HEPASilent™ technology filtration efficiency**

*Graph shows how many percent of particles in varying sizes are removed by Blueair’s HEPASilent™ technology*



This graph shows the filtration process, as well as how and where different types of pollution particles are efficiently captured.

